

**ABSTRACT**

The invention is directed to a novel method for reducing discomfort caused by transcutaneous stimulation. The novel method includes providing transcutaneous stimulation, reducing the transcutaneous stimulation at a first location, and substantially maintaining the transcutaneous stimulation at a second location. The transcutaneous stimulation may be created by electric and/or magnetic fields. The first location may be relatively proximate to the cutaneous surface and may comprise tissue, nerves and muscle. Also, the second location may be relatively deeper than the first location and include, for example, brain tissue that requires the transcutaneous stimulation for treatment purposes. The invention further may include locating a conductor on a treatment area and/or a transcutaneous stimulation device relative to the first location. In addition, the method may further include adjusting how much the transcutaneous stimulation is reduced at the first location.